

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicants : Jerry Alten, Bruce Davis, Michael
Morris, and Roger Youman

Serial No. : 09/410,853

Filed : October 1, 1999

For : ELECTRONIC TELEVISION PROGRAM GUIDE
SCHEDULE SYSTEM AND METHOD

MAY 2 4 2000

GROUP 2700

Group Art Unit : 2711

Examiner :

Assistant Commissioner
for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER

Sir:

Transmitted herewith: ☐ a Preliminary Amendment;
☐ a Response to Examiner's Action; ☐ a Supplemental
Amendment; ☐ a substitute Specification; ☐ a
Declaration; a Power of Attorney; ☐ an Associate Power of
Attorney; ☐ formal drawings; ☒ an Information Disclosure
Statement; to be filed in the above-identified patent
application.

FEE FOR ADDITIONAL CLAIMS

☒ A fee for additional claims is not required.

[] A fee for additional claims is required. The additional fee has been calculated as shown below:

| | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE | ADDITIONAL FEES |
|---|---|---|------------------|------|--------------------|
| TOTAL CLAIMS | - | 20 * | = | x | \$18 = \$ |
| INDEPENDENT CLAIMS | - | 3 ** | = | x | \$78 = \$ |
| FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM | | | | + | \$260 = \$ |
| * If less than 20, insert 20. | | | | | TOTAL \$ |
| ** If less than 3, insert 3. | | | | | |

[] A check in the amount of \$ _____ in payment of the filing fee is transmitted herewith.

[X] The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 C.F.R. § 1.16, in connection with the paper(s) transmitted herewith, or credit any overpayment of same, to Deposit Account No. 06-1075. A duplicate copy of this transmittal letter is transmitted herewith.

[] Please charge \$ _____ to Deposit Account No. 06-1075 in payment of the filing fee. A duplicate copy of this transmittal letter is transmitted herewith.

EXTENSION FEE

[] The following extension is applicable to the Response filed herewith; [] \$110.00 extension fee for response within first month pursuant to 37 C.F.R. § 1.17(a)(1); [] \$380.00 extension fee for response within second month pursuant to 37 C.F.R. § 1.17(a)(2); [] \$870.00 extension fee for response within third month pursuant to 37 C.F.R. § 1.17(a)(3); [] \$1,360.00 extension fee for response within fourth month pursuant to 37 C.F.R. § 1.17(a)(4).

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- [] A check in the amount of [] \$110.00; [] \$380.00; [] \$870.00; [] \$1,360.00; in payment of the extension fee is transmitted herewith. MAY 24 2000 GROUP 2700
- [X] The Commissioner is hereby authorized to charge payment of any additional fees required under 37 C.F.R. § 1.17 in connection with the paper(s) transmitted herewith, or to credit any overpayment of same, to Deposit Account No. 06-1075. A duplicate copy of this transmittal letter is transmitted herewith.
- [] Please charge the [] \$110.00; [] \$380.00; [] \$870.00; [] \$1,360.00; extension fee to Deposit Account No. 06-1075. A duplicate copy of this transmittal letter is transmitted herewith.

Respectfully submitted,



G. Victor Trey
Reg. No. 36,294
Attorney for Applicants
FISH & NEAVE
Customer No. 1473
1251 Avenue of the Americas
New York, New York 10020-1104
Tel: (212) 596-9000
Fax: (212) 596-9090

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PATENTS
WASHINGTON, D.C. 20231 on

May 18, 2000
Slavko J. Gintili


Signature of Person Signing



UV-137 Cont. 2

#3
W. Johnson
8/8/00

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Roger Youman

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SYSTEM AND METHOD

Group Art Unit : 2711

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Assistant Commissioner
for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97,
applicants wish to call the attention of the Examiner to the
following documents:

U.S. Patents

| | | |
|------------------|---------------------------|---------|
| Kammer | U.S. Patent No. 3,440,427 | (4/69) |
| Houghton | U.S. Patent No. 3,493,674 | (2/70) |
| Kirk, Jr. et al. | U.S. Patent No. 3,833,757 | (9/74) |
| Kimura | U.S. Patent No. 3,891,792 | (6/75) |
| Thorpe | U.S. Patent No. 3,936,868 | (2/76) |
| Hutt et al. | U.S. Patent No. 3,996,583 | (12/76) |
| Makino et al. | U.S. Patent No. 4,004,085 | (1/77) |
| Pandey | U.S. Patent No. 4,016,361 | (4/77) |
| Kirschner et al. | U.S. Patent No. 4,026,555 | (5/77) |
| Kato et al. | U.S. Patent No. 4,031,548 | (6/77) |
| Hutt et al. | U.S. Patent No. 4,052,719 | (10/77) |
| Siegle et al. | U.S. Patent No. 4,079,419 | (3/78) |
| Miller | U.S. Patent No. 4,081,753 | (3/78) |
| Jackson | U.S. Patent No. 4,081,754 | (3/78) |
| Scott | U.S. Patent No. 4,096,524 | (6/78) |

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|--------------------|---------------------------|---------|
| Campioni | U.S. Patent No. 4,134,127 | (1/79) |
| Micic et al. | U.S. Patent No. 4,139,860 | (2/79) |
| Schussler et al. | U.S. Patent No. 4,150,254 | (4/79) |
| Beyers | U.S. Patent No. 4,156,850 | (5/79) |
| Insam | U.S. Patent No. 4,161,728 | (7/79) |
| Beyers, Jr. et al. | U.S. Patent No. 4,162,513 | (7/79) |
| Miller | U.S. Patent No. 4,170,782 | (10/79) |
| Mortimer | U.S. Patent No. 4,186,413 | (1/80) |
| Doumit | U.S. Patent No. 4,203,130 | (5/80) |
| Barrett | U.S. Patent No. 4,205,343 | (5/80) |
| Bart et al. | U.S. Patent No. 4,218,698 | (8/80) |
| Jackson | U.S. Patent No. 4,228,543 | (10/80) |
| Crowther et al. | U.S. Patent No. 4,231,031 | (10/80) |
| Ciciora | U.S. Patent No. 4,233,628 | (11/80) |
| Baba et al. | U.S. Patent No. 4,249,211 | (2/81) |
| Weintraub et al. | U.S. Patent No. 4,261,006 | (4/81) |
| Freeman | U.S. Patent No. 4,264,924 | (4/81) |
| Freeman et al. | U.S. Patent No. 4,264,925 | (4/81) |
| Farina | U.S. Patent No. 4,270,145 | (5/81) |
| Chambers | U.S. Patent No. 4,283,787 | (8/81) |
| Yabe | U.S. Patent No. 4,288,809 | (9/81) |
| Yarbrough et al. | U.S. Patent No. 4,305,101 | (12/81) |
| Monteath et al. | U.S. Patent No. 4,329,684 | (5/82) |
| Bourassin et al. | U.S. Patent No. 4,337,480 | (6/82) |
| Guillou | U.S. Patent No. 4,337,483 | (6/82) |
| Belisomi et al. | U.S. Patent No. 4,344,090 | (8/82) |
| Lambert | U.S. Patent No. 4,381,522 | (4/83) |
| Cox et al. | U.S. Patent No. 4,388,645 | (6/83) |
| Keiser | U.S. Patent No. 4,390,901 | (6/83) |
| Thomas | U.S. Patent No. 4,393,376 | (7/83) |
| Knight | U.S. Patent No. 4,405,946 | (9/83) |
| Shanley II | U.S. Patent No. 4,412,244 | (10/83) |
| Thonnart | U.S. Patent No. 4,413,281 | (11/83) |
| Novak | U.S. Patent No. 4,420,769 | (12/83) |
| Merrell | U.S. Patent No. 4,425,579 | (5/84) |
| Schweppe | U.S. Patent No. 4,425,581 | (1/84) |
| Cichelli et al. | U.S. Patent No. 4,429,385 | (1/84) |
| Price | U.S. Patent No. 4,449,249 | (5/84) |
| Skerlos | U.S. Patent No. 4,456,925 | (6/84) |
| Lindman et al. | U.S. Patent No. 4,477,830 | (10/84) |
| Kruger et al. | U.S. Patent No. 4,488,179 | (12/84) |
| Deiss | U.S. Patent No. 4,495,654 | (1/85) |
| Cherry | U.S. Patent No. 4,496,171 | (1/85) |
| Swanson et al. | U.S. Patent No. 4,496,976 | (12/85) |
| Bonneau et al. | U.S. Patent No. 4,510,623 | (4/85) |
| Campbell et al. | U.S. Patent No. 4,536,791 | (4/85) |
| Greenberg | U.S. Patent No. 4,547,804 | (10/85) |
| Harger et al. | U.S. Patent No. 4,566,034 | (1/86) |
| Astle | U.S. Patent No. 4,587,520 | (5/86) |
| Filliman | U.S. Patent No. 4,595,951 | (6/86) |

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|-------------------|---------------------------|---------|
| Filliman | U.S. Patent No. 4,595,952 | (6/86) |
| Yarbrough et al. | U.S. Patent No. 4,598,288 | (7/86) |
| Amano et al. | U.S. Patent No. 4,620,229 | (10/86) |
| Hoffman | U.S. Patent No. 4,635,121 | (1/87) |
| Beyers, Jr. | U.S. Patent No. 4,641,205 | (2/87) |
| Lert, Jr. et al. | U.S. Patent No. 4,677,466 | (6/87) |
| Peers et al. | U.S. Patent No. 4,689,022 | (8/87) |
| Hayashi et al. | U.S. Patent No. 4,691,351 | (9/87) |
| Harvey et al. | U.S. Patent No. 4,694,490 | (9/87) |
| Froling et al. | U.S. Patent No. 4,701,794 | (10/87) |
| Young | U.S. Patent No. 4,706,121 | (11/87) |
| Kohler | U.S. Patent No. 4,712,105 | (12/87) |
| Reiter et al. | U.S. Patent No. 4,751,578 | (6/88) |
| Kram et al. | U.S. Patent No. 4,754,326 | (6/88) |
| Clupper et al. | U.S. Patent No. 4,768,228 | (8/88) |
| Yourick | U.S. Patent No. 4,775,935 | (10/88) |
| Muguet | U.S. Patent No. 4,787,063 | (11/88) |
| Ichikawa et al. | U.S. Patent No. 4,821,102 | (4/89) |
| Campbell et al. | U.S. Patent No. 4,862,268 | (8/89) |
| Seth-Smith | U.S. Patent No. 4,890,321 | (12/89) |
| Yee | U.S. Patent No. 4,894,789 | (1/90) |
| Kinghorn | U.S. Patent No. 4,908,707 | (3/90) |
| Levine | U.S. Patent No. 4,908,713 | (3/90) |
| Bennett et al. | U.S. Patent No. 4,908,859 | (3/90) |
| Duffield et al. | U.S. Patent No. 4,959,720 | (9/90) |
| Levine | U.S. Patent No. 4,963,994 | (10/90) |
| Young | U.S. Patent No. 4,977,455 | (12/90) |
| Johnson | U.S. Patent No. 4,991,011 | (2/92) |
| Hallenbeck | U.S. Patent No. 5,038,211 | (8/91) |
| Beery | U.S. Patent No. 5,045,947 | (9/91) |
| Beery | U.S. Patent No. 5,068,734 | (11/91) |
| Keenan | U.S. Patent No. 5,103,314 | (4/92) |
| Young | U.S. Patent No. 5,151,789 | (9/92) |
| Yoneda et al. | U.S. Patent No. 5,200,823 | (4/93) |
| Yee et al. | U.S. Patent No. 5,210,611 | (5/93) |
| Strubbe | U.S. Patent No. 5,223,924 | (6/93) |
| Bonicel et al. | U.S. Patent No. 5,235,415 | (8/93) |
| Fink et al. | U.S. Patent No. 5,237,411 | (8/93) |
| Hayashi et al. | U.S. Patent No. 5,237,417 | (8/93) |
| Vogel | U.S. Patent No. 5,253,066 | (10/93) |
| Chaney et al. | U.S. Patent No. 5,253,067 | (10/93) |
| Young et al. | U.S. Patent No. 5,353,121 | (10/94) |
| Banker et al. | U.S. Patent No. 5,357,276 | (10/94) |
| Wasilewski et al. | U.S. Patent No. 5,359,601 | (10/94) |
| Blahut | U.S. Patent No. 5,373,288 | (12/94) |
| Kwoh et al. | U.S. Patent No. 5,382,983 | (1/95) |
| Woo et al. | U.S. Patent No. 5,425,101 | (6/95) |
| Banker | U.S. Patent No. 5,477,262 | (12/95) |
| Young et al. | U.S. Patent No. 5,479,268 | (12/95) |
| Miller et al. | U.S. Patent No. 5,585,866 | (12/96) |

Foreign Patent Documents

GB 2 034 995 (6/80)
West Germany 2 918 846 (11/80)
Japan S 58-137334 (8/83)
Japan S 58-196738 (11/83)
GB 2 126 002 (3/84)
Germany 3 246 225 (6/84)
Japan 59-141878 (8/84)
Japan 61-50470 (8/84)
West Germany 3 337 204 (4/85)
Japan S 62-60384 (3/87)
GB 2 185 670 (7/87)
UK 87/00884 (6/88)
West Germany 3 621 263 (7/88)
EP 0 337 336 (10/89)
EP 0 393 555 (10/90)
EP 0 401 930 (12/90)
WO 90/15507 (12/90)
EP 0 408 892 (1/91)
France 2 662 895 (12/91)
WO 92/04801 (3/92)
GB 2 256 546 (12/92)
EP 0 532 322 (3/93)
WO 93/05452 (3/93)

Other Documents

James A., "Oracle -- Broadcasting the Written Word,"
Wireless World 7/73, pp. 314-316.

McKenzie, G.A., "Oracle -- An Information Broadcasting
Service Using Data Transmission in the Vertical Interval,"
Journal of the SMPTE, 1/74, pp. 6-10.

Edwardson, S.M., & Gee, A., "CEEFAX: A Proposed New
Broadcasting Ser., "Journal of the SMPTE, 1/74, pp. 14-19.

Hedger, J., "Telesoftware: Home Computing Via Broadcast
Teletext," IEEE Transactions on Consumer Electronics, Vol, CE-25,
No. 3, 7/79, pp 279-287.

Carne, E.B., "The Wired Household," IEEE Spectrum,
10/79, pp. 61-66.

Baer, R.H. "Innovative Add-On TV Products," IEEE
Transactions on Consumer Electronics, Vol. CE-25, 11/79.

Karstad, K., "Microprocessor Control for Color-TV Receivers," IEEE Transactions on Consumer Electronics, Vol CE-26, 5/80, pp. 149-155.

"The New Media and Broadcast Policy: An Investigation & Research Conference Report on Broadcasting Diversification," Japan Ministry of Posts & Telecommunications, 3/82.

"Videotext Programmer Videorecorder," Rundfunktech Mitteilungen, Nov-Dec., 1983 Broadcast Engineering Reports, Vol. 26, Nov.-Dec., 1982.

Broadcast Engineering Reports vol. 26, Nov.-Dec. 1982.

Veith, R.H., "Television's Teletext," Elsevier Science Publishing Co., Inc., 1983, pp. 13-20, 41-51.

Damouny, N.G., "Teletext Decoders -- Keeping up with the Latest Advances," IEEE Transactions on Consumer Electronics, Vol. CE-30, No.3, 8/84, pp. 429-435.

Sealfon, Peggy, "High Tech TV," Photographic, 12/84.

Lowenstein, R.L., and Aller, H.E., "Technology Review," Vol. 88, 10/85, p.22.

Japan Soc of Data Comm., "Development Study and Research Report on New Media Interface Technology: Status & Issues Related to Combining Databases & New Media," 3/86.

CableVision Advertisement for "TV Decisions," 8/86

Judice, C.N. "Move Over Cable, Here Comes Video Via Voice Lines," Network World, 9/86, p. 26.

Bureau of Science & Technology (Japan), "Computer Network: Current Status and Outlook on Leading Science and Technology," Vol 1, 12/86.

Merrell, "Tac Timer," 1986 NCTA Technical papers, pp. 203-206.

K. Sunada, et al. "Teletext Color Television Receiver Model C-29M950, C26M940," NEC Home Electronics, NEC Home Electronics, NEC Giho, 1987.

Author unknown, "Facsimile Transmission," NHK Monthly Report, 12/87.

Rayers, D.J., "Telesoftware by Teletext," 1984 IEEE Conf. Papers, Vol 240 p. 323.

Japan, Int'l Society for the Advancement of Image Software, "Technological Examination & Basic Investigative Research Report on Image Data Bases," Japan, 3/88.

Bensch, U., "VPV Videotext Programs Videorecorder," IEEE Paper, 6/88, pp.788-792.

Schlender, B.R., "Couch Potatoes! Now It's Smart TV," Fortune, 11/20/89, pp. 111-116.

Antonofs, M., "Stay Tuned for Smart TV," Popular Science, 11/90, pp 62-65.

42nd Annual Convention & Exposition of the National Cable Television Association, "Addressable Decoder with Downloadable Operation," June 6-9, 1993, pp.82-89.

Bedow, David P. "The Virtual Channels Subscriber Interface," from Communications Technology dated April 30, 1992.

Jerrold Communications Publication, "Cable Television Equipment," dated 1992 and 1993, pp.8-2.1 to 8-6 and 8-14.1 to 8-14.3.

Various Publications of Insight Telecast 1992 and 1993.

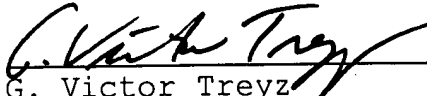
These documents are listed on the accompanying Form PTO-1449 (submitted in duplicate). Pursuant to 37 C.F.R.

§ 1.98(d), copies of these documents are not being submitted because the documents were previously cited by or submitted with the Patent Office during the prosecution of U.S. Patent application Serial No. 08/247,101, filed May 20, 1994, now U.S. Patent No. 5,781,246, which is the parent of U.S. Patent application Serial No. 09/114,811 filed July 13, 1998 and from

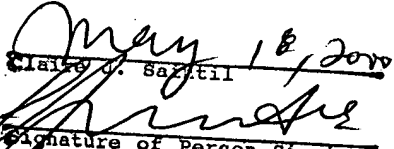
which the above-identified application relies upon for an earlier filing date under 35 U.S.C. § 120.

Consideration of the foregoing in relation to this patent application is respectfully requested.

Respectfully submitted,


G. Victor Treyz
Reg. No. 36,294
Attorney for Applicants
FISH & NEAVE
Customer No. 1473
1251 Avenue of the Americas
New York, New York 10020-1104
Tel.: (212) 596-9000

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Claire C. Saxtil
Signature of Person Signing



UV-137 Cont. 2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Jerry Alten et al.
Application No.: 09/410,853
Filed : October 1, 1999
For : IMPROVED ELECTRONIC TELEVISION PROGRAM
GUIDE SCHEDULE SYSTEM AND METHOD
Group Art Unit : 2711
Examiner :

New York, New York 10020
October 8, 2003

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Hon. Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia, 22313-1450

OCT 20 2003

Technology Center 2600

TRANSMITTAL LETTER

Sir:

Transmitted herewith: ☒ a Preliminary Amendment;
☐ a Reply to Office Action; ☐ a Supplemental Amendment;
☐ a Substitute Specification; ☐ a Declaration; ☐ a
Supplemental Declaration; ☐ a Power of Attorney; ☐ an
Associate Power of Attorney; ☐ Formal Drawings; to be filed in
the above-identified patent application.

FEE FOR ADDITIONAL CLAIMS

☐ A fee for additional claims is not required.

☒ A fee for additional claims is required.

The additional fee has been calculated as shown below:

| CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE | ADDITIONAL FEES |
|---|---|------------------|------|--------------------|
|---|---|------------------|------|--------------------|

| | | | | | | | | | | |
|--------------|----|---|----|---|---|---|---|-------|---|----|
| TOTAL CLAIMS | 36 | - | 39 | * | = | 0 | X | \$ 18 | = | \$ |
|--------------|----|---|----|---|---|---|---|-------|---|----|

| | | | | | | | | | | |
|-----------------------|---|---|---|----|---|---|---|-------|---|-----------|
| INDEPENDENT CLAIMS | 8 | - | 3 | ** | = | 5 | X | \$ 86 | = | \$ 430.00 |
|-----------------------|---|---|---|----|---|---|---|-------|---|-----------|

| | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|---------|------|
| FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM | | | | | | | | | + \$290 | = \$ |
|---|--|--|--|--|--|--|--|--|---------|------|

| | | | | | | | | | | |
|----|-----------------------------|--|--|--|--|--|--|--|-------|------------------|
| * | If less than 20, insert 20. | | | | | | | | TOTAL | <u>\$ 430.00</u> |
| ** | If less than 3, insert 3. | | | | | | | | | |

[X] A check in the amount of \$430.00 in payment of the filing fee is transmitted herewith.

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☐ \$2,010.00 extension fee for response within fifth month pursuant to 37 C.F.R. § 1.17(a)(5).

☐ A check in the amount of ☐ \$110.00; ☐ \$420.00; ☐ \$950.00; ☐ \$1,480.00; ☐ \$2,010.00 in payment of the extension fee is transmitted herewith.

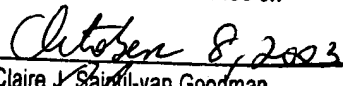
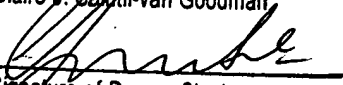
☐ The Director is hereby authorized to charge payment of any additional fees required under 37 C.F.R. § 1.17 in connection with the paper(s) transmitted herewith, or to credit any overpayment of same, to Deposit Account No. 06-1075. A duplicate copy of this transmittal letter is transmitted herewith.

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Respectfully submitted,


James A. Leiz
Registration No. 46,109
Agent for Applicants
FISH & NEAVE
Customer No. 1473
1251 Avenue of the Americas
New York, New York 10020
Tel.: (212) 596-9000

I hereby certify that this
Correspondence is being
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P.O. Box 1450
Alexandria, VA 22313-1450 on


October 8, 2003
Claire J. Saintil-van Goodman

Signature of Person Signing